HW#10: Missing Angles

Geometry

Due Date: Friday, Sept. 21, 2012

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

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| --- | --- |
| 1. Find the measure of b. | 2. Find the measure of b. |
| 3. Find the measure of b. | 4. Find the measure of b. |
| 5. Find the measure of b. | 6. Find the measure of b. |
| 7. What is the measure, in degrees, of the angle between the hands of a standard clock and exactly 4:00? | 8. Find *a* and *b.* |
| 9. In the figure below, all lines intersect at point X with angle measures as marked. Find the measure of FXB.  A B  14 C  X  F    E D | 10. Tell whether the following angles are complementary, supplementary or neither. Justify your response using degree measures.    X  X  X |

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| 1) Write an equation for a line parallel to -1 = -x + y passing through (4, 3). | 2) Write an equation for a line perpendicular to  4x + 8y = 12 and passing through (1, -9). |
| 3) Write an equation for a line perpendicular to  -7y + 3 = 21x and passing through (-3, 6). | 4) Circle the equation of the line with the steepest slope.  -3 = -y + 3x  3 – 3y = -3x  0.5x = 1 + 0.2y  y = 8x + 3 |